Expert Advice For the Automobile Owner

Queries and Replies Covering Matters of Importance to the Man Who Runs a Car

common practice to regrind the relieben a motor is worn or is it to get new pistons and rings? depends upon the condition of parts. Sometimes it is advisable find the cylinders, which is the se when they are worn oval. In this the fitting of new pistons is a difjob, and the previous troubles return again. If the cylinders their circularity, then new pisand rings may be fitted.

It a good plan to place graphite in grank case with the regular oil? sphite shows excellent results used as a lubricant for the mo-Its action is one of a filler, the its holes in the cylinder being fillwith the graphite, thus reducing tion and wear. Some owners use minary fiake graphite, while others prefer the deflocculated form.

revolution. What can be causing it? such a noise. It may be due to the plain this? edometer gears meshing too tightly

What, in your opinion, is the best way to crank a motor, with the throttle open or nearly closed?

It is preferable to crank the motor with the throttle only opened a small amount, say an inch or an inch and a quarter movement on the quadrant. With some carburetors it is impossible to start the motor with the throttle open, while with others it is generally done with difficulty.

I have always been bothered with noter knocking when throttle was pened on a hard pull, necessitating my starding the spark to the extreme lim it, and that, of course, reduced power. I have been told that it was caused by too high compression. Will it help matters to reduce compression by raising the cylinder and placing a plate beneath to make a larger compression

The high compression reason which has been assigned to your case is very possibly correct, although it might be that carbon trouble is at the bottom of the difficulty. If you have noticed that | valve or their seats are not worn. the knocking continues even after the until you are sure that it is too breaker box is not acted upon. high, and it will be better to have this measured by gauge and see what it really is before attempting to cut it down by means of a plate. A comsion pressure of seventy pounds is sufficient, and for ordinary purposes you should not have higher than this. If it is below this a reduction of compression will reduce the power correspondingly, as it influences the mean effective pressure in the cylinder.

If a motor is equipped with a high tension magneto, does each cylinder receive alternately one effective spark and one surplus spark?

The ordinary four cylinder high tension magneto only produces sparks n required—that is, at the beginof the working stroke. Such a magneto produces a spark every half olution of the armature, and therefore by connecting it to the motor so that it revolves at the same speed just the right number of sparks are generated, since a four cylinder, four cycle requires a spark every half revn. These sparks are distributed proper cylinders in turn by s of a rotating brush which makes cutive contact with the four segwhich are connected to the high on wires running to each of the cylinders. The distributer runs ilf the speed of the armature, and wo are positively connected by The two are so set that the h is in contact with one of the nts when the breaker points sepand the spark occurs.

Il you kindly give me any informa-you can on soldering aluminium? uninium is soldered by the use of ty-five and five-tenths parts of ighteen parts of sine and two and

Another solder which requires however, is made up of 80 per in and 20 per cent sinc, stearic sing used as a flux. The objec-soldering aluminium is that the

SNAKE BALL

Name of Latest Invention Otis Crandall, Former

Crandell, formerly of the

Will you please furnish me with some information regarding brazing process-

they are joined by a film of brass, requires a red heat and borax is generally used as a flux to protect the metal from oxidation and to dissolve the oxides formed. Heating must be done by means of a blowtorch, gas forge, coke or charcoal furnace and cannot be done by means of a soldering iron. Before work is assembled for brazing it should be carefully cleaned. The parts are then fastened together, generally by pinning, but sometimes wire bolts or clamps are used. If possible the pieces should be fastened in such a way that the work may be turned over during the process of brazing without changing the relation of the parts set sections. When the best

My motor does not fire regularly. There is a swishing sound issuing the neighborhood of the right and then again two become affected. The missing skips from one cylinder to another. It seems to cocur once every solution. It seems to cocur once every levers does not seem to make any different control of the seems to make any different control of the right and then again two become affected. The missing skips from one cylinder and then again two become affected. The missing skips from one cylinder to another the seems to control of the right and then again two become affected. The missing skips from one cylinder to another the seems to control of the right and then again two become affected. The missing skips from one cylinder to another the seems to control of the right and then again two becomes affected. ference, and the trouble is equally bad

The missing is undoubtedly caused the demountable rim has a wedge by faulty ignition of carburation, and the foreign countries. loose. Jack up the wheel and rotate it seems more likely that the former . At the present time records snow it slowly, and you can soon determine is the cause. First look for short cir. whether the gears are too close. If this is the case loosen up the arm that carries the driven gear and move the gear only far enough away so that the noise is eliminated. If the trouble is not found in the speedometer gears tighten up the wedges on the rim. One loose wedge will make a noise similar to that you have described, due to the lack of support at this point.

What, in your coinien, is the best way. should be smoothed off or replaced so shipments of which are now being that a good electrical contact is ob- made regularly. tained. See that the breaker points are smooth enough to meet squarely and in adjustment—that is, the gap between them, when they are separated, should sirty-fourth of an inch. Also note struction."

whether the insulation in the breaker
box is in good condition and whether public is now demanding cars in

Providing all electrical connections are tight and the gaps of spark plugs adjusted to one-thirty-second of an inch, the trouble must be either in the carburetion system or in the coil or

magneto. air leaks in the intake manifold. Look feeling of confidence so clearly shown for dirt in the gasoline system and see that the float is not soaked with gaso motor cars, which with bumper crops

While you may drive with the spark ufacturers of automobiles. for has been cleaned of carbon it is lever properly advanced and the magprobably due to the high compression neto may be correctly timed, it is posto a loose connecting rod, wrist pin sible that the linkage connecting the or crank shaft bearing or part. It is spark lever with the magneto is loose, lever a good idea to reduce compres- so that when the lever is advanced the

net may be correctly imped; it is possible that the linkage connecting the spik lever with the magnet is lossed and officence of the spik lever with the magnet is lossed the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnet is lossed to the linkage connecting the spik lever with the magnetic connecting the spik lever with the magnetic connection of the lever connecting the spik lever the total connection of the lever connecting the spik lever the linkage connecting the spik lever the linkage connecting the spik lever the linkage connecting the spik linkage connecting the spik lever the linkage connecting the spik linkage connecti

Your magneto is probably causing the trouble, although it is well to make sure that the difficulty does not lie in the carbureter adjustment or is not due to leaky valves. See that the spark plugs' points are 1-32 inch apart, that all cause of the display of the display of this car bind of cars that would justify a low-home. that all connections are tight and that there are no short circuits. Then ex- 25,000 persons. amine the breaker points on the magneto. File them until they meet squarely, and then adjust them until squarely, and then adjust them until the motor runs evenly at all speeds.

The exact distance depends upon the without a flux is composed of the motor runs evenly at all speeds. magneto, but should be somewhere bethe parts of aluminium. The tween 1-82 and 1-64 inch. If the points are too far apart the motor will not ing. The solder should be forced start or will miss at slow speeds, while if the points are too near togeth. er it will miss at high speeds. There is also a chance that the magnets are weak. If so it will be difficult to ob-

weak. If so it will be difficult to obtain a spark at low motor speeds. Make sure that all the brushes are making good contact.

credited with the invention of a new delivery which has been named the "Snake Ball." While the ball does not lite the batter, it is said to be almost as fearsome. According to the reports of opposing batsmen, the sphere floats up to the plate in a series of egeentric circles that give hiskory swingers the stangers trying to follow its course. If the tate be true it is small wonder that Fisher to Butch his small wonder that Fisher that the standard of the motor car companies have made their 1946 announcements there is a great deal of talk in moloring circles concerning the prices at which the new cars are to be sold. Along with these discussions there has also been much talk concerning the lowest price at which the new cars are to be sold. Along with these discussions there has also been much talk concerning the lowest price at which the new cars are to be sold. Along with these discussions there has also been much talk concerning the lowest price at which the new cars are to be sold. Along with these discussions there has also been much talk concerning the lowest price at which the new cars are to be sold. Along with these discussions there has also been much talk concerning the lowest price at which the new cars are to be sold. Along with these discussions there has also been much talk concerning the lowest price at which the new cars are to be sold. Along with these discussions there has also been much talk concerning the lowest price at which the new cars are to be sold. Along with these discussions there has also been much talk concerning the prices at which the new cars are to be sold. Along with these discussions there has also been much talk in moloring circles concerning the prices at which the new cars are to be sold. Along with these discussions there has also been much talk in moloring circles concerning the prices at which the new cars are to be sold. Along with the new ca

Annual Meeting of Auto Companies Shows Year's Business Above Average.

INDIANAPOLIS, Ind., Aug. 7.-At the annual stockholders' mesting of the Cole Motor Car Company held during the last week in July, the us-ual cash dividend was declared and a satisfactory amount carried into the surplus account.

The company's annual statement shows that the last year has been one of the best in the history of the com-pany with every indication that the season upon which the concern is now entering will exceed by several mil-iion dollars the husiness of any pre-

At the present time a most unusual condition exists in the Cole factory, where, due to an unexpected increase of business at this season of the year. the company is finding it necessary to increase their orders for material which they are fortunately able to do because of their long established con-nections with large unit builders of known strength and volume of pro-

During the last three months of the fiscal year just closed the Cole Motor Car Company shipped approximately 100 car loads a week to all parts of this country and including most of

whether the gears are too close. If cuits. Operate the motor in the dark far than ever before in the history

them, when they are separated, should be between one-thirty-second and one- arrived in value as in mechanical con-

there is any possibility of a short circuit either due to this or dirt or oil.
Take the switch apart and examine the
stability of merchandising policy with insulation and tighten any loose parts.

Providing all electrical connections

in his opinion the coming year would Assuming that the carbureter adjust-ment is correct, see that there are no the industry and that the general line and that the needle valve and float bring about a prosperous era for all lines of business, including the man-

Last Week of Our Clearance Sale

We positively will wind up sale this week, as we must commence alterations. If you haven't taken advantage of the wonderful values offered of jan to the come in at once.

SHIRTS

Plenty of large sizes, values up to \$2.50, now

"It Must Be Right"

Palm Beaches Any Suit in the House now

genteel.

H. B. CASAGRANDE, Mgr.

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Any suit in the house - made to measure-coat and pants

S15

Fourth Street

Which Has Been Modernly Furnished by the Lodge at Great Cost.

No. 70, Knights of Pythias, now occupies its new hall in the Central building which it has leased for a period of years. It held its first ceremonial session in at Tuesday night. The lodge recently purchased new furniture for the hall consisting kersburg. of a fine set of quarter oak altars, pedestals and officers' chairs leather upholstered, together with suitable have taken place this week. Perrin folding chairs, filling the seating ca-

leaves some of the carbon, which remains on the wall until removed.

My oar starts badly. It has a four cylinder, 425x5.5 inch motor, but only a magneto for ignition. The motor works evenly when once under way. If it can be started rolling down grade and then thrown into gear it starts readily enough. Can you suggest a remedy for the trouble?

In addition to the grand prize, the Packard was awarded the first of the three medals of honor. Other exhibitors were the recipients of fifteen gold medals, thirteen silver medals, nine brouze medals and two certificates of honorable mention. The addition to the grand prize, the Packard was awarded the first of the trust of the saw advanced the first of the recipients of fifteen gold models, thirteen silver medals, nine brouze medals and two certificates of honorable mention. The addition to the grand prize, the Packard was awarded the first of the trust of fifteen gold models, thirteen silver medals, nine brouze medals and two certificates of honorable mention. The addition to the grand prize, the motor car service is vastly more important than motor car the trust is impossible to sell a satisfactory motor car; that is, a car that will give satisfactory motor car; that is, a car that will it is impossible to sell a satisfactory motor car; that is, a car that will is impossible to sell a satisfactory motor car; that is, a car that will it is impossible to sell

as the "Twin Six." During the first two days of the display of this car at the exposition it was inspected by 25,000 persons.

We probably could sell a great many more Buicks if we were to make the kind of cars that would justify a low-drive the exposition it was inspected by 25,000 persons.

The Pocahomás Camp Fire Girls successfully conducted a cake and homemade candy sale Saturday at Powell Brothers' hardware store. The Camp Fire Girls plan a few days outing in the near twiare, that will likely be spent on the river near west military be spent on the river near west Milford.

program features. mrs. Nancy J. Ferriff holds the of-fice of most excellent chief, and Mrs. Nora D. Schutte is mistress of rec-ords and correspondence. Mrs. Ida B. Riddle is this year's representa-tive to the Grand Temple meeting at Charles Town.

William Thomes, of Erbacon, a former Salem resident, is spending a few days here with relatives. Mr Thomas is in falling health and in receiving treatment at a Clarksburg

Mrs. Zanna Long, of Parkersburg, on returning from a two weeks' so-journ at Webster Springs, stopped off her to spend Sunday and is a guest of Mrs. H. L. Bee.

Clarksburg Thursday night

Miss Ida Braoks, a clerk in the Bon Ten store, is taking a long rest period. She returned here Saturday.

Mr. and Mrs. Ira Williams are planning to take a large outing party to the river near West Milford Sun-

burg Trade Journal.

Hutchinson—The Consolidation Coal by Architect William H. Patton, P.

Company has had hids submitted for building a two-story frame store building a two-story frame store building and will place the contract about September 1.

Fairment—Bids closed this week on building a one-story wild brick thea for 29x160 feet for George H. Nelson. Architect R., Gillis, Jacobs building, made the plans.

Bids will be asked about August 15 for constructing a two-story brick residence to cost about \$6,000 for Mrs. Lulu Fox. Architect A. C. Lyons, Fair-

West Virginia Construction Washington. D. C. for a two or Operations Listed by Pitts- ing 39x8 feet. Bids will be taken the owner about the tenth instant. Bids close on August 9 for cons pittsburg, Aug. 7—Building ing a two-story brick store and epar operations in West Virginia are rement building 21x7 feet, on Dudis and Nineteenth street, for Mrs. A. Cole. 1709 Seventeenth street. Plant Record.

Lulu Fox. Architect A. C. Lyons, Fairmont, made the plans.

Charles Foothman, Fairmont, received the contract to build a two-story residence on the Fairmont pike for J. E. Boon. No sub-contracts have been awarded.

The work will cost \$12,000.

Dunhar—Bigs will a look of the contract of

well patronized.

C. A. Schutte and Charles W. Gain attended the Pythian meeting at Erank Upman, Woodward building, team by the Athletics this season.

SUPERIOR WORKMANSHIP IS ONE OF THE QUALITY TEST IN OUR TAILORING MADE IN CLARKSBURG"

Block-Parrish Tailoring Co. DU TERDING (CHANGE O):-S

Masonic Bldg.

CIBARKSBURG WAYAS

RITCHIE COUNTY FAIR TTS AT HAND AUGUST 10, 11, 12, 1915.

and the management predicts immense erowds. Fine Racing MANY ATTER COVONS OF THERE